

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	JAN 17	Pre-1988 INPI data added to MARPAT
NEWS	4	FEB 21	STN AnaVist, Version 1.1, lets you share your STN AnaVist visualization results
NEWS	5	FEB 22	The IPC thesaurus added to additional patent databases on STN
NEWS	6	FEB 22	Updates in EPFULL; IPC 8 enhancements added
NEWS	7	FEB 27	New STN AnaVist pricing effective March 1, 2006
NEWS	8	MAR 03	Updates in PATDPA; addition of IPC 8 data without attributes
NEWS	9	MAR 22	EMBASE is now updated on a daily basis
NEWS	10	APR 03	New IPC 8 fields and IPC thesaurus added to PATDPAFULL
NEWS	11	APR 03	Bibliographic data updates resume; new IPC 8 fields and IPC thesaurus added in PCTFULL
NEWS	12	APR 04	STN AnaVist \$500 visualization usage credit offered
NEWS	13	APR 12	LINSPEC, learning database for INSPEC, reloaded and enhanced
NEWS	14	APR 12	Improved structure highlighting in FQHIT and QHIT display in MARPAT
NEWS	15	APR 12	Derwent World Patents Index to be reloaded and enhanced during second quarter; strategies may be affected
NEWS	16	MAY 10	CA/CAPLUS enhanced with 1900-1906 U.S. patent records
NEWS	17	MAY 11	KOREAPAT updates resume
NEWS	18	MAY 19	Derwent World Patents Index to be reloaded and enhanced
NEWS	19	MAY 30	IPC 8 Rolled-up Core codes added to CA/CAPLUS and USPATFULL/USPAT2
NEWS	20	MAY 30	The F-Term thesaurus is now available in CA/CAPLUS
NEWS	21	JUN 02	The first reclassification of IPC codes now complete in INPADOC
NEWS EXPRESS			FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005. V8.0 AND V8.01 USERS CAN OBTAIN THE UPGRADE TO V8.01a AT http://download.cas.org/express/v8.0-Discover/
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS LOGIN			Welcome Banner and News Items
NEWS IPC8			For general information regarding STN implementation of IPC 8
NEWS X25			X.25 communication option no longer available after June 2006

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 08:21:21 ON 08 JUN 2006

=> file caplus
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 08:21:30 ON 08 JUN 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 8 Jun 2006 VOL 144 ISS 24
FILE LAST UPDATED: 7 Jun 2006 (20060607/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> methyl ester ethoxylates
967854 METHYL
660 METHYLS
968256 METHYL
(METHYL OR METHYLS)
911877 ME
10354 MES
918284 ME
(ME OR MES)
1557152 METHYL
(METHYL OR ME)
578572 ESTER
430364 ESTERS
807965 ESTER
(ESTER OR ESTERS)
1844 ETHOXYLATES
L1 22 METHYL ESTER ETHOXYLATES
(METHYL(W) ESTER(W) ETHOXYLATES)

=> d 11

L1 ANSWER 1 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2006:505460 CAPLUS
TI Application of fatty acid **methyl ester ethoxylates** in laundry powder
AU Sun, Yongqiang; Zhang, Gaoyong; Luo, Yi; Liu, Guangyu
CS China Research Institute of Daily Chemical Industry, Taiyuan, 030001, Peop. Rep. China
SO Riyong Huaxue Gongye (2005), 35(2), 72-74, 122
CODEN: RHGOE8; ISSN: 1001-1803
PB Qinggongyebu Kexue Jishu Qingbao Yanjiuso
DT Journal
LA Chinese

=> d ll 1-22 ti

- L1 ANSWER 1 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN
TI Application of fatty acid **methyl ester ethoxylates** in laundry powder
- L1 ANSWER 2 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN
TI Rapeseed **methyl ester ethoxylates**: a new class of surfactants of environmental and commercial interest
- L1 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN
TI Determination of unreacted fatty acid methyl ester in **methyl ester ethoxylates**
- L1 ANSWER 4 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN
TI Production and application of fatty acid **methyl ester ethoxylates**
- L1 ANSWER 5 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN
TI Thermodynamic study of retention in liquid exclusion-adsorption chromatography
- L1 ANSWER 6 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN
TI Determination of fatty acid **methyl ester ethoxylates** by gas chromatography
- L1 ANSWER 7 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN
TI **Methyl ester ethoxylates**
- L1 ANSWER 8 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN
TI Comparative evaluation of environmental impact of fatty alcohol ethoxylates and fatty acid **methyl ester ethoxylates** as nonionic surfactants
- L1 ANSWER 9 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN
TI Characterization of poly(ethylene glycol) esters using low energy collision-induced dissociation in electrospray ionization mass spectrometry
- L1 ANSWER 10 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN
TI Assessment of the ecological properties of various - well known and new - nonionic surfactants
- L1 ANSWER 11 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN
TI Characterization of fatty ester ethoxylates by coupled chromatographic techniques
- L1 ANSWER 12 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN
TI Fatty acid **methyl ester ethoxylates** - a new class of nonionic surfactants
- L1 ANSWER 13 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN
TI Study on physical properties of fatty **methyl ester ethoxylates**
- L1 ANSWER 14 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN
TI **Methyl ester ethoxylates**
- L1 ANSWER 15 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN
TI Optimization of surfactant systems containing **methyl ester ethoxylates**
- L1 ANSWER 16 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN

TI As the new millennium dawns ... what about nonionics?

L1 ANSWER 17 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN

TI Ester alkoxylation technology

L1 ANSWER 18 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN

TI Preparation of ring-opened epoxidized fatty acid ester-polyol derivatives with increased solubility in solutions of anionic surfactants for use as cosmetic additives

L1 ANSWER 19 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN

TI Optimization of surfactant systems containing **methyl ester ethoxylates**

L1 ANSWER 20 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN

TI Impact of molecular structure on the performance of **methyl ester ethoxylates**

L1 ANSWER 21 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN

TI **Methyl ester ethoxylates**

L1 ANSWER 22 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN

TI Recent developments in the field on nonionic surfactants

=> d l1 21 ti fbib abs

L1 ANSWER 21 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN

TI **Methyl ester ethoxylates**

AN 1997:511796 CAPLUS

DN 127:192184

TI **Methyl ester ethoxylates**

AU Cox, Michael F.; Weerasooriya, Upali

CS CONDEA Vista Co., Austin, TX, USA

SO Journal of the American Oil Chemists' Society (1997), 74(7), 847-859
CODEN: JAOCA7; ISSN: 0003-021X

PB AOCs Press

DT Journal

LA English

AB Conventional ethoxylation of fatty Me esters, or other fatty-fatty esters or diesters, produces poor yields of the desired ethoxylated ester. A proprietary ethoxylation catalyst, currently in use to produce "peaked" or "narrow-range" alc. ethoxylates, has been found to successfully insert ethylene oxide into the ester linkage of fatty esters. The mechanism for this insertion likely involves an ethoxylation-transesterification step in the ethoxylation process. Phys., performance, and environmental/human safety properties were evaluated. Results, in general, show that **Me ester ethoxylates** behave similarly to alc. ethoxylates with the exception of having a lower foam profile and being less irritating.

RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d l1 a7 ti fbib abs

'A7' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'

The following are valid formats:

ABS ----- GI and AB

ALL ----- BIB, AB, IND, RE

APPS ----- AI, PRAI

BIB ----- AN, plus Bibliographic Data and PI table (default)

CAN ----- List of CA abstract numbers without answer numbers

CBIB ----- AN, plus Compressed Bibliographic Data

CLASS ----- IPC, NCL, ECLA, FTERM
 DALL ----- ALL, delimited (end of each field identified)
 DMAX ----- MAX, delimited for post-processing
 FAM ----- AN, PI and PRAI in table, plus Patent Family data
 FBIB ----- AN, BIB, plus Patent FAM
 IND ----- Indexing data
 IPC ----- International Patent Classifications
 MAX ----- ALL, plus Patent FAM, RE
 PATS ----- PI, SO
 SAM ----- CC, SX, TI, ST, IT
 SCAN ----- CC, SX, TI, ST, IT (random display, no answer numbers;
 SCAN must be entered on the same line as the DISPLAY,
 e.g., D SCAN or DISPLAY SCAN)
 STD ----- BIB, CLASS

 IABS ----- ABS, indented with text labels
 IALL ----- ALL, indented with text labels
 IBIB ----- BIB, indented with text labels
 IMAX ----- MAX, indented with text labels
 ISTD ----- STD, indented with text labels

 OBIB ----- AN, plus Bibliographic Data (original)
 OIBIB ----- OBIB, indented with text labels

 SBIB ----- BIB, no citations
 SIBIB ----- IBIB, no citations

 HIT ----- Fields containing hit terms
 HITIND ----- IC, ICA, ICI, NCL, CC and index field (ST and IT)
 containing hit terms
 HITRN ----- HIT RN and its text modification
 HITSTR ----- HIT RN, its text modification, its CA index name, and
 its structure diagram
 HITSEQ ----- HIT RN, its text modification, its CA index name, its
 structure diagram, plus NTE and SEQ fields
 FHITSTR ----- First HIT RN, its text modification, its CA index name, and
 its structure diagram
 FHITSEQ ----- First HIT RN, its text modification, its CA index name, its
 structure diagram, plus NTE and SEQ fields
 KWIC ----- Hit term plus 20 words on either side
 OCC ----- Number of occurrence of hit term and field in which it occurs

To display a particular field or fields, enter the display field codes. For a list of the display field codes, enter HELP DFIELDS at an arrow prompt (=>). Examples of formats include: TI; TI,AU; BIB,ST; TI,IND; TI,SO. You may specify the format fields in any order and the information will be displayed in the same order as the format specification.

All of the formats (except for SAM, SCAN, HIT, HITIND, HITRN, HITSTR, FHITSTR, HITSEQ, FHITSEQ, KWIC, and OCC) may be used with DISPLAY ACC to view a specified Accession Number.
 ENTER DISPLAY FORMAT (BIB):end

=> d l1 7 ti fbib abs

L1 ANSWER 7 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN
 TI **Methyl ester ethoxylates**
 AN 2003:877814 CAPLUS
 DN 141:25340
 TI **Methyl ester ethoxylates**
 AU Cox, Michael F.; Weerasooriya, Upali
 CS Sasol North America, Inc., Austin, TX, USA
 SO Surfactant Science Series (2003), 114(Novel Surfactants), 467-493
 CODEN: SFSSA5; ISSN: 0081-9603

PB Marcel Dekker, Inc.
 DT Journal; General Review
 LA English
 AB A review on the ethoxylation of Me esters and the composition of corresponding **Me ester ethoxylates** (monomethyl-terminated PEO esters). The performance properties of **Me ester ethoxylates** and the important aspects related to the formulation of liquid laundry detergents with **Me ester ethoxylates** are discussed. The ethoxylation of other types of esters (e.g. triglycerides, alkyl esters, fatty-fatty diesters) , the propoxylation of esters, and the impact of unsatn. on performance are briefly also discussed.

RE.CNT 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 11 17 ti fbib abs

L1 ANSWER 17 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Ester alkoxylation technology
 AN 1999:476286 CAPLUS
 DN 131:244836
 TI Ester alkoxylation technology
 AU Weerasooriya, Upali
 CS CONDEA Vista Company, Austin, TX, USA
 SO Journal of Surfactants and Detergents (1999), 2(3), 373-381
 CODEN: JSDEFL; ISSN: 1097-3958
 PB AOCs Press
 DT Journal; General Review
 LA English
 AB A review with 28 refs. on the insertion of ethylene oxide and propylene oxide into fatty acid esters using peaked alkoxylation catalysts. Conventional ethoxylation technologies, when used on fatty Me esters, produce poor yields as well as flat ethoxymers distributions. Peaking ethoxylation catalysts have been successful in efficient conversion of Me esters into the ethoxylates possessing peaked ethoxymers distribution. Surfactant performance of **Me ester ethoxylates** was discussed. Results generally show these to behave similarly to alc. ethoxylates, with the exception of exhibiting a lower foam profile. This ester ethoxylation technol. has been successful in ethoxylating other esters of varying steric environments. Triglyceride ethoxylates have been prepared and partially saponified as well as glucaminolyzed to produce mild surfactant blends.

RE.CNT 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

=>

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	36.73	36.94
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-2.25	-2.25

SESSION WILL BE HELD FOR 60 MINUTES
 STN INTERNATIONAL SESSION SUSPENDED AT 08:40:17 ON 08 JUN 2006

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 08:51:58 ON 08 JUN 2006
FILE 'CAPLUS' ENTERED AT 08:51:58 ON 08 JUN 2006
COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	36.73	36.94
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-2.25	-2.25

=> d his

(FILE 'HOME' ENTERED AT 08:21:21 ON 08 JUN 2006)

FILE 'CAPLUS' ENTERED AT 08:21:30 ON 08 JUN 2006

L1 22 METHYL ESTER ETHOXYLATES

=> sodium methoxide

1039602 SODIUM

34 SODIUMS

1039611 SODIUM

(SODIUM OR SODIUMS)

11629 METHOXIDE

395 METHOXIDES

11795 METHOXIDE

(METHOXIDE OR METHOXIDES)

L2 6453 SODIUM METHOXIDE

(SODIUM(W) METHOXIDE)

=> l1 and l2

L3 0 L1 AND L2

=> sodium methylate

1039602 SODIUM

34 SODIUMS

1039611 SODIUM

(SODIUM OR SODIUMS)

2581 METHYLATE

771 METHYLATES

3240 METHYLATE

(METHYLATE OR METHYLATES)

L4 797 SODIUM METHYLATE

(SODIUM(W) METHYLATE)

=> l1 and l4

L5 0 L1 AND L4

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	45.45	45.66
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-2.25	-2.25

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 08:53:22 ON 08 JUN 2006

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1	Web Page URLs for STN Seminar Schedule - N. America
NEWS	2	"Ask CAS" for self-help around the clock
NEWS	3	JAN 17 Pre-1988 INPI data added to MARPAT
NEWS	4	FEB 21 STN AnaVist, Version 1.1, lets you share your STN AnaVist visualization results
NEWS	5	FEB 22 The IPC thesaurus added to additional patent databases on STN
NEWS	6	FEB 22 Updates in EPFULL; IPC 8 enhancements added
NEWS	7	FEB 27 New STN AnaVist pricing effective March 1, 2006
NEWS	8	MAR 03 Updates in PATDPA; addition of IPC 8 data without attributes
NEWS	9	MAR 22 EMBASE is now updated on a daily basis
NEWS	10	APR 03 New IPC 8 fields and IPC thesaurus added to PATDPAFULL
NEWS	11	APR 03 Bibliographic data updates resume; new IPC 8 fields and IPC thesaurus added in PCTFULL
NEWS	12	APR 04 STN AnaVist \$500 visualization usage credit offered
NEWS	13	APR 12 LINSPEC, learning database for INSPEC, reloaded and enhanced
NEWS	14	APR 12 Improved structure highlighting in FQHIT and QHIT display in MARPAT
NEWS	15	APR 12 Derwent World Patents Index to be reloaded and enhanced during second quarter; strategies may be affected
NEWS	16	MAY 10 CA/CAPplus enhanced with 1900-1906 U.S. patent records
NEWS	17	MAY 11 KOREAPAT updates resume
NEWS	18	MAY 19 Derwent World Patents Index to be reloaded and enhanced
NEWS	19	MAY 30 IPC 8 Rolled-up Core codes added to CA/CAPplus and USPATFULL/USPAT2
NEWS	20	MAY 30 The F-Term thesaurus is now available in CA/CAPplus
NEWS	21	JUN 02 The first reclassification of IPC codes now complete in INPADOC
NEWS EXPRESS		FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005. V8.0 AND V8.01 USERS CAN OBTAIN THE UPGRADE TO V8.01a AT http://download.cas.org/express/v8.0-Discover/
NEWS HOURS		STN Operating Hours Plus Help Desk Availability
NEWS LOGIN		Welcome Banner and News Items
NEWS IPC8		For general information regarding STN implementation of IPC 8
NEWS X25		X.25 communication option no longer available after June 2006

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 11:52:38 ON 08 JUN 2006

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 11:52:48 ON 08 JUN 2006
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
 COPYRIGHT (C) 2006 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
 provided by InfoChem.

STRUCTURE FILE UPDATES: 7 JUN 2006 HIGHEST RN 887123-67-3
 DICTIONARY FILE UPDATES: 7 JUN 2006 HIGHEST RN 887123-67-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when
 conducting SmartSELECT searches.

```
*****
*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*
*****
```

Structure search iteration limits have been increased. See HELP SLIMITS
 for details.

REGISTRY includes numerically searchable data for experimental and
 predicted properties as well as tags indicating availability of
 experimental property data in the original document. For information
 on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	2.20	2.41

FILE 'REGISTRY' ENTERED AT 11:56:04 ON 08 JUN 2006
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
 COPYRIGHT (C) 2006 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
 provided by InfoChem.

STRUCTURE FILE UPDATES: 7 JUN 2006 HIGHEST RN 887123-67-3
 DICTIONARY FILE UPDATES: 7 JUN 2006 HIGHEST RN 887123-67-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when
 conducting SmartSELECT searches.

```
*****
*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*
*****
```

Structure search iteration limits have been increased. See HELP SLIMITS for details.

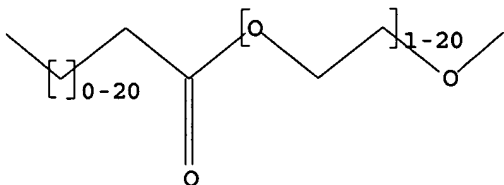
REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

```
=>
Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary
files\10534244\10534244 target alkoxyates.str
```

L1 STRUCTURE UPLOADED

```
=> d l1
L1 HAS NO ANSWERS
L1 STR
```



Structure attributes must be viewed using STN Express query preparation.

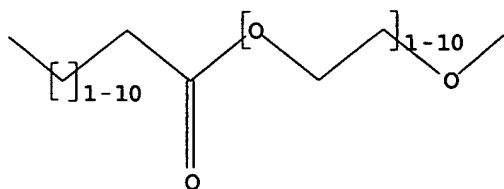
```
=> serch l1 sss sam
COMBINATION OF STRUCTURE AND TEXT TERMS NOT VALID
The query entered contains both search terms created by
structure-building or screen commands and text search terms. L#s
created via the STRUCTURE or SCREEN commands must be searched in the
structures files separately from text terms or profiles. The L#
answer sets from structure searches can be used in crossover searches
and can be combined with text terms.
```

```
=> search l1 sss sam
STRUCTURE TOO LARGE - SEARCH ENDED
A structure in your query is too large. You may delete
attributes or atoms to reduce the size of the structure
and try again.
```

```
=>
Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary
files\10534244\10534244 target alkoxyates2.str
```

L2 STRUCTURE UPLOADED

=> d 12
 L2 HAS NO ANSWERS
 L2 STR



Structure attributes must be viewed using STN Express query preparation.

=> search 12 sss sam
 SAMPLE SEARCH INITIATED 12:00:43 FILE 'REGISTRY'
 SAMPLE SCREEN SEARCH COMPLETED - 12164 TO ITERATE

16.4% PROCESSED 2000 ITERATIONS 0 ANSWERS
 INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
 SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED ITERATIONS: 236672 TO 249888
 PROJECTED ANSWERS: 0 TO 0

L3 0 SEA SSS SAM L2

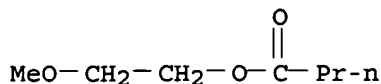
=> search 12 sss full
 FULL SEARCH INITIATED 12:00:59 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 244743 TO ITERATE

100.0% PROCESSED 244743 ITERATIONS 44 ANSWERS
 SEARCH TIME: 00.00.02

L4 44 SEA SSS FUL L2

=> d scan

L4 44 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Butanoic acid, 2-methoxyethyl ester (9CI)
 MF C7 H14 O3

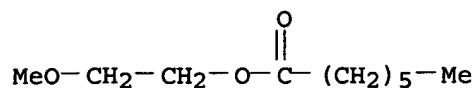


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):file caplus
 'FILE CAPLUS' IS NOT VALID HERE

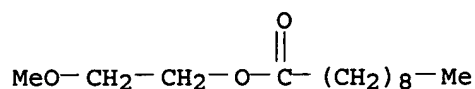
To display more answers, enter the number of answers you would like to see. To end the display, enter "NONE", "N", "0", or "END".
 HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):10

L4 44 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Heptanoic acid, 2-methoxyethyl ester (9CI)
 MF C10 H20 O3



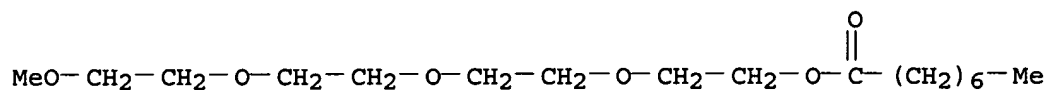
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L4 44 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Decanoic acid, 2-methoxyethyl ester (9CI)
 MF C13 H26 O3



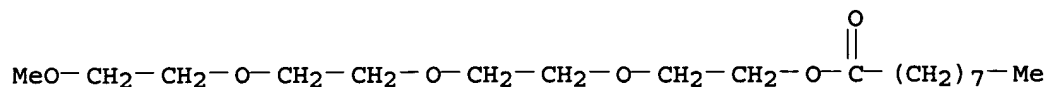
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L4 44 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Octanoic acid, 3,6,9,12-tetraoxatridec-1-yl ester (9CI)
 MF C17 H34 O6



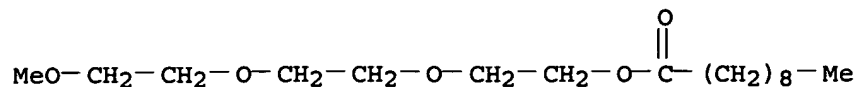
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L4 44 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Nonanoic acid, 3,6,9,12-tetraoxatridec-1-yl ester (9CI)
 MF C18 H36 O6



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

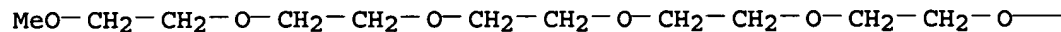
L4 44 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Decanoic acid, 2-[2-(2-methoxyethoxy)ethoxy]ethyl ester (9CI)
 MF C17 H34 O5



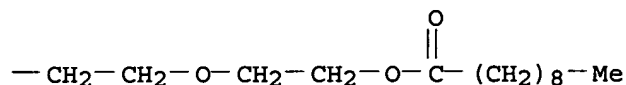
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L4 44 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Decanoic acid, 3,6,9,12,15,18,21-heptaoadocos-1-yl ester (9CI)
 MF C25 H50 O9

PAGE 1-A



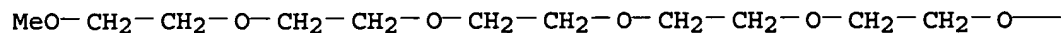
PAGE 1-B



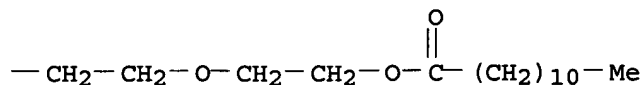
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L4 44 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Dodecanoic acid, 3,6,9,12,15,18,21-heptaoadocos-1-yl ester (9CI)
 MF C27 H54 O9

PAGE 1-A



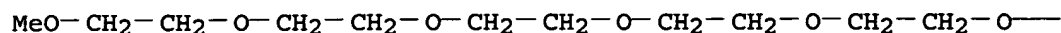
PAGE 1-B



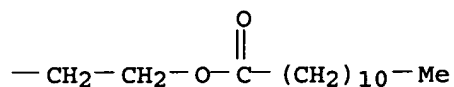
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L4 44 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Dodecanoic acid, 3,6,9,12,15,18-hexaoxonadec-1-yl ester (9CI)
 MF C25 H50 O8

PAGE 1-A

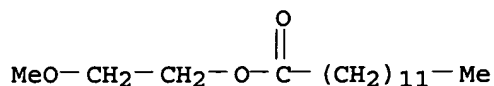


PAGE 1-B



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

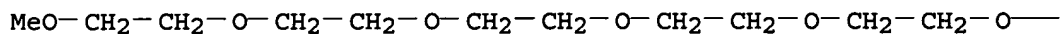
L4 44 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Tridecanoic acid, 2-methoxyethyl ester (9CI)
 MF C16 H32 O3



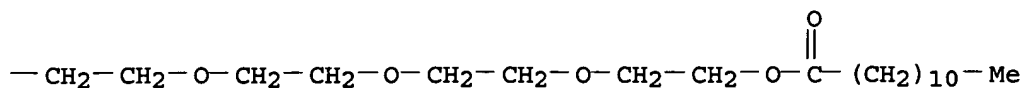
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L4 44 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Dodecanoic acid, 3,6,9,12,15,18,21,24,27-nonaooctacos-1-yl ester (9CI)
 MF C31 H62 O11

PAGE 1-A



PAGE 1-B



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	170.46	172.87

FILE 'CAPLUS' ENTERED AT 12:01:31 ON 08 JUN 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 8 Jun 2006 VOL 144 ISS 24
FILE LAST UPDATED: 7 Jun 2006 (20060607/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> l4

L5 215 L4

=> peg

36169 PEG
1216 PEGS

L6 36676 PEG
(PEG OR PEGS)

=> l5 and l6

L7 3 L5 AND L6

=> d l7 1-3 ti

L7 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN
TI Novel Linear and Branched Poly(1,4-ketone)-b-polyalcohol Block Structures through Control of the Catalyst Initiation Mechanism

L7 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN
TI Environmentally low-load detergent composition and cleaning method

L7 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN
TI Alkoxylation catalyst comprising magnesium oxide and aluminum oxide and method for producing alkylene oxide adducts

=> d l7 3 ti fbib abs

L7 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN
TI Alkoxylation catalyst comprising magnesium oxide and aluminum oxide and

method for producing alkylene oxide adducts
 AN 1999:810899 CAPLUS
 DN 132:51444
 TI Alkoxylation catalyst comprising magnesium oxide and aluminum oxide and
 method for producing alkylene oxide adducts
 IN Okamoto, Takahiro; Hama, Itsuo; Uemura, Shingo
 PA Lion Corp., Japan
 SO Eur. Pat. Appl., 25 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 965382	A1	19991222	EP 1998-310372	19981217
	EP 965382	B1	20030903		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	JP 2000061304	A2	20000229	JP 1998-161718	A 19980610
	JP 3312883	B2	20020812	JP 1999-163353	19990610
				JP 1998-161718	A 19980610
	SG 82039	A1	20010724	SG 1999-5937	19991214
				JP 1999-163353	A 19990610
	US 6504061	B1	20030107	US 2000-715331	20001117
				JP 1998-161718	A 19980610
				US 1998-211551	B2 19981215
				JP 1999-163353	A 19990610
				US 1999-441006	B3 19991116

AB Catalysts used for alkoxylation of alcs., phenols, fatty acids and esters, fatty amines and amides, and polyols which give polyoxyalkylene adducts having a narrow adduct distribution while inhibiting formation of high-mol.-weight polyalkylene glycols having mol. weight of tens of thousands as byproducts, comprise metal oxide containing Mg, Al, and ≥ 1 metal selected from group VIB, group VIIB, and group VIII metals. For example, ethoxylation of lauryl alc. in the presence of Mg-Al-Mn oxide catalyst (resp. atomic ratio 0.56:0.26:0.18) (preparation given) proceeded with catalyst activity 6.0 g EO/(min·g catalyst) and produced 0.06% high-mol.-weight polyethylene glycol (PEG), vs. 5.7 EO/(min·g catalyst) and 0.53% high-mol.-weight PEG for a Mg-Al oxide (resp. atomic ratio 0.556:0.444) as control catalyst.

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> logoff hold
 COST IN U.S. DOLLARS
 FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
6.60	179.47

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)
 CA SUBSCRIBER PRICE

SINCE FILE	TOTAL
ENTRY	SESSION
-0.75	-0.75

SESSION WILL BE HELD FOR 60 MINUTES
 STN INTERNATIONAL SESSION SUSPENDED AT 12:02:47 ON 08 JUN 2006

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 12:31:30 ON 08 JUN 2006
FILE 'CAPLUS' ENTERED AT 12:31:30 ON 08 JUN 2006
COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	6.60	179.47

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.75	-0.75

=> filr reg

1 FILR
1213 REG
71 REGS
1272 REG
(REG OR REGS)

L8 0 FILR REG
(FILR(W)REG)

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	10.96	183.83

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.75	-0.75

FILE 'REGISTRY' ENTERED AT 12:31:53 ON 08 JUN 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2006 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 7 JUN 2006 HIGHEST RN 887123-67-3
DICTIONARY FILE UPDATES: 7 JUN 2006 HIGHEST RN 887123-67-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*

Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

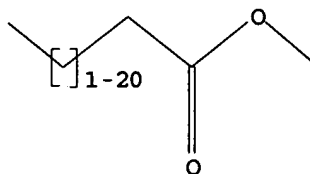
Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary files\10534244\10534244 methyl esters.str

L9 STRUCTURE UPLOADED

=> d 19

L9 HAS NO ANSWERS

L9 STR



Structure attributes must be viewed using STN Express query preparation.

=> search 19 sss sam

SAMPLE SEARCH INITIATED 12:32:22 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 91835 TO ITERATE

2.2% PROCESSED 2000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

1 ANSWERS

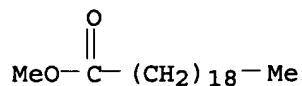
FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
BATCH **INCOMPLETE**
PROJECTED ITERATIONS: 1818712 TO 1854688
PROJECTED ANSWERS: 512 TO 1324

L10 1 SEA SSS SAM L9

=> d scan

L10 1 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN Eicosenoic acid, methyl ester, (Z)- (9CI)
MF C21 H40 O2
CI IDS

CM 1



ALL ANSWERS HAVE BEEN SCANNED

=> search 19 sss full
FULL SEARCH INITIATED 12:32:57 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 1828835 TO ITERATE

54.7% PROCESSED 1000000 ITERATIONS 167 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.07

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
BATCH **INCOMPLETE**
PROJECTED ITERATIONS: 1828835 TO 1828835
PROJECTED ANSWERS: 253 TO 357

L11 167 SEA SSS FUL L9

=> file caplus		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	167.38	351.21
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-0.75

FILE 'CAPLUS' ENTERED AT 12:33:12 ON 08 JUN 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 8 Jun 2006 VOL 144 ISS 24
FILE LAST UPDATED: 7 Jun 2006 (20060607/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> d his

(FILE 'HOME' ENTERED AT 11:52:38 ON 08 JUN 2006)

FILE 'REGISTRY' ENTERED AT 11:52:48 ON 08 JUN 2006

FILE 'REGISTRY' ENTERED AT 11:56:04 ON 08 JUN 2006

L1 STRUCTURE UPLOADED
L2 STRUCTURE UPLOADED
L3 0 SEARCH L2 SSS SAM
L4 44 SEARCH L2 SSS FULL

FILE 'CAPLUS' ENTERED AT 12:01:31 ON 08 JUN 2006

L5 215 L4
L6 36676 PEG

L7 3 L5 AND L6
L8 0 FILR REG

FILE 'REGISTRY' ENTERED AT 12:31:53 ON 08 JUN 2006
L9 STRUCTURE UPLOADED
L10 1 SEARCH L9 SSS SAM
L11 167 SEARCH L9 SSS FULL

FILE 'CAPLUS' ENTERED AT 12:33:12 ON 08 JUN 2006

=> l11
L12 105 L11

=> l6 and l12
L13 0 L6 AND L12

=> ?PEG?
'?PEG?' NOT LONG ENOUGH FOR LEFT TRUNCATION
You have entered a truncated stem whose length is less than the minimum allowed for left truncation in the requested search field. You may increase the length of the stem to the minimum allowed and try again. Enter HELP SFIELDS to find the minimum stem length for left truncation in the requested search field.

=> PEG?
L14 56545 PEG?

=> l12 and l14
L15 0 L12 AND L14

=> logff hold
0 LOGFF
38318 HOLD
26045 HOLDS
63391 HOLD
(HOLD OR HOLDS)
L16 0 LOGFF HOLD
(LOGFF (W) HOLD)

=> logoff hold		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	6.77	357.98
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-0.75

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 12:34:28 ON 08 JUN 2006